# Attachment 10

Results of Selected Water Samples from Lake Berryessa/Putah Creek by Reclamation and the State of California

# **Baseline**

Station ID BS\_MN\_06

Putah Crk below Monticello Dm

**BHP059** 

12/11/97

### CollectionDate by Quarter Q4 1997

| Group | Analyte                  | Result  | Units | RL    | Qualifier |
|-------|--------------------------|---------|-------|-------|-----------|
| inorg | Ammonia as N             | <100    | ug/l  | 100   |           |
| inorg | Chloride                 | 20000   | ug/l  | 1000  |           |
| inorg | COD                      | <10000  | ug/l  | 10000 |           |
| inorg | Hardness, total as CaCO3 | 177500  | ug/l  | 3300  |           |
| inorg | Nitrate + Nitrite as N   | 270     | ug/l  | 50    |           |
| inorg | Phosphorus, Total as P   | <50     | ug/l  | 50    |           |
| inorg | Sulfate                  | 39600   | ug/l  | 10000 |           |
| inorg | TDS                      | 250000  | ug/l  | 10000 |           |
| inorg | TSS                      | <5000   | ug/l  | 5000  |           |
| m     | Aluminum                 | <100    | ug/l  | 100   |           |
| m     | Arsenic                  | <2      | ug/l  | 2     |           |
| m     | Barium                   | 56      | ug/l  | 10    |           |
| m     | Beryllium                | <2      | ug/l  | 2     |           |
| m     | Boron (dissolved)        | 380     | ug/l  | 100   |           |
| m     | Cadmium                  | <1      | ug/l  | 1     |           |
| m     | Calcium (dissolved)      | 28700   | ug/l  | 500   |           |
| m     | Chromium                 | <10     | ug/l  | 10    |           |
| m     | Copper                   | <20     | ug/l  | 20    |           |
| m     | Iron                     | 140     | ug/l  | 100   |           |
| m     | Lead                     | <1      | ug/l  | 1 .   |           |
| m     | Magnesium (dissolved)    | 25700   | ug/l  | 500   |           |
| m     | Manganese                | 17      | ug/l  | 10    |           |
| m     | Mercury                  | < 0.005 | ug/l  | 0.005 |           |
| m     | Molybdenum               | <20     | ug/l  | 20    |           |
| m     | Nickel                   | <40     | ug/l  | 40    |           |
| m     | Potassium (dissolved)    | 1500    | ug/l  | 50    |           |
| m     | Selenium                 | <2      | ug/l  | 2     |           |
| m     | Silver                   | <1      | ug/l  | 1     |           |
| m     | Sodium (dissolved)       | 20100   | ug/l  | 5000  |           |
| m     | Thallium                 | <1      | ug/l  | 1     |           |
| m     | Zinc                     | <20     | ug/l  | 20    |           |
|       |                          |         |       |       |           |

Station ID BS\_MN\_06

Putah Crk below Monticello Dm

**BHP082** 

2/19/98

## CollectionDate by Quarter Q1 1998

| Group | Analyte                  | Result  | Units | RL    | Qualifier |
|-------|--------------------------|---------|-------|-------|-----------|
| inorg | Ammonia as N             | <100    | ug/l  | 100   |           |
| inorg | Chloride                 | 4200    | ug/l  | 1000  |           |
| inorg | COD                      | <10000  | ug/l  | 10000 |           |
| inorg | Hardness, total as CaCO3 | 136200  | ug/l  | 3300  |           |
| inorg | Nitrate + Nitrite as N   | 99      | ug/l  | 50    |           |
| inorg | Phosphorus, Total as P   | <50     | ug/l  | 50    |           |
| inorg | Sulfate                  | 18800   | ug/l  | 1000  |           |
| inorg | TDS                      | 171000  | ug/l  | 10000 |           |
| inorg | TSS                      | <5000   | ug/l  | 5000  |           |
| m     | Aluminum                 | 2800    | ug/l  | 100   |           |
| m     | Arsenic                  | <2      | ug/l  | 2     |           |
| m     | Barium                   | 72      | ug/l  | 10    |           |
| m     | Beryllium                | <2      | ug/l  | 2     |           |
| m     | Boron (dissolved)        | 170     | ug/l  | 100   |           |
| m     | Cadmium                  | <1      | ug/l  | 1     |           |
| m     | Calcium (dissolved)      | 18100   | ug/l  | 500   |           |
| m     | Chromium                 | <10     | ug/l  | 10    |           |
| m     | Copper                   | <20     | ug/l  | 20    |           |
| m     | Iron                     | 3400    | ug/l  | 100   |           |
| m     | Lead                     | <1      | ug/l  | 1     |           |
| m     | Magnesium (dissolved)    | 22100   | ug/l  | 500   |           |
| m     | Manganese                | 58      | ug/l  | 10    |           |
| m     | Mercury                  | < 0.005 | ug/l  | 0.005 |           |
| m     | Molybdenum               | <20     | ug/l  | 20    |           |
| m     | Nickel                   | <40     | ug/l  | 40    |           |
| m     | Potassium (dissolved)    | 1300    | ug/l  | 50    |           |
| m     | Selenium                 | <2      | ug/l  | 2     |           |
| m     | Silver                   | <1      | ug/l  | 1     |           |
| m     | Sodium (dissolved)       | 10000   | ug/l  | 5000  |           |
| m     | Thallium                 | <1      | ug/l  | 1     |           |
| m     | Zinc                     | <20     | ug/l  | 20    |           |
| ID    | DO 1411 00               |         |       | -     |           |

Station ID BS\_MN\_06

Putah Crk below Monticello Dm

BHP102

5/19/98

## CollectionDate by Quarter Q2 1998

|       | Group         | Analyte                  | Result | Units | RL    | Qualifier    |
|-------|---------------|--------------------------|--------|-------|-------|--------------|
|       | inorg         | Ammonia as N             | <100   | ug/l  | 100   |              |
|       | inorg         | Chloride                 | 15500  | ug/l  | 1000  |              |
|       | inorg         | COD                      | <10000 | ug/l  | 10000 |              |
|       | inorg         | Hardness, total as CaCO3 | 206000 | ug/l  | 3300  |              |
|       | inorg         | Nitrate + Nitrite as N   | 100    | ug/l  | 50    |              |
|       | inorg         | Phosphorus, Total as P   | <50    | ug/l  | 50    |              |
|       | inorg         | Sulfate                  | 62000  | ug/l  | 5000  |              |
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| inorg | TDS                   | 284000 | ug/l | 10000 |
|-------|-----------------------|--------|------|-------|
| m     | Aluminum              | 120    | ug/l | 100   |
| m     | Arsenic               | <2.0   | ug/l | 2     |
| m     | Barium                | 50     | ug/l | 10    |
| m     | Beryllium             | <2.0   | ug/l | 2     |
| m     | Boron (dissolved)     | 480    | ug/l | 100   |
| m     | Cadmium               | <1.0   | ug/l | 1     |
| m     | Calcium (dissolved)   | 36100  | ug/l | 500   |
| m     | Chromium              | <10    | ug/l | 10    |
| m     | Copper                | <20    | ug/l | 20    |
| m     | Iron                  | 110    | ug/l | 100   |
| m     | Lead                  | <1.0   | ug/l | 1     |
| m     | Magnesium (dissolved) | 28100  | ug/l | 500   |
| m     | Manganese             | <10    | ug/l | 10    |
| m     | Mercury               | 0.025  | ug/l | 0.005 |
| m     | Molybdenum            | <20    | ug/l | 20    |
| m     | Nickel                | <40    | ug/l | 40    |
| m     | Potassium (dissolved) | 1500   | ug/l | 50    |
| m     | Selenium              | <2.0   | ug/l | 2     |
| m     | Silver                | <1.0   | ug/l | 1     |
| m     | Sodium (dissolved)    | 28800  | ug/l | 5000  |
| m     | Thallium              | <1.0   | ug/l | 1     |
| m     | Zinc                  | <20    | ug/l | 20    |
|       |                       |        |      |       |

Putah Crk below Monticello Dm

**BHP112** 

9/11/98

## CollectionDate by Quarter Q3 1998

| Group | Analyte                  | Result | Units | RL    | Qualifier |
|-------|--------------------------|--------|-------|-------|-----------|
| inorg | Ammonia as N             | <100   | ug/l  | 100   |           |
| inorg | Chloride                 | 13500  | ug/l  | 1000  |           |
| inorg | COD                      | <10000 | ug/l  | 10000 |           |
| inorg | Hardness, total as CaCO3 | 170000 | ug/l  | 3300  |           |
| inorg | Nitrate + Nitrite as N   | 84     | ug/l  | 50    |           |
| inorg | Phosphorus, Total as P   | <50    | ug/l  | 50    |           |
| inorg | Sulfate                  | 35400  | ug/l  | 5000  |           |
| inorg | TDS                      | 235000 | ug/l  | 10000 |           |
| inorg | TSS                      | <5000  | ug/l  | 5000  |           |
| m     | Aluminum                 | <100   | ug/l  | 100   |           |
| m     | Arsenic                  | <2.0   | ug/l  | 2     |           |
| m     | Barium                   | 42     | ug/l  | 10    |           |
| m     | Beryllium                | <2.0   | ug/l  | 2     |           |
| m     | Boron (dissolved)        | 300    | ug/l  | 100   |           |
| m     | Cadmium                  | <1.0   | ug/l  | 1     |           |
| m     | Calcium (dissolved)      | 24600  | ug/l  | 500   |           |
| m     | Chromium                 | <10    | ug/l  | 10    |           |

| m | Copper                | <20      | ug/l | 20    |
|---|-----------------------|----------|------|-------|
| m | Iron                  | 110      | ug/l | 100   |
| m | Lead                  | <1.0     | ug/l | 1     |
| m | Magnesium (dissolved) | 26400    | ug/l | 500   |
| m | Manganese             | <10      | ug/l | 10    |
| m | Mercury               | < 0.005  | ug/l | 0.005 |
| m | Molybdenum            | <20      | ug/l | 20    |
| m | Nickel                | <40      | ug/l | 40    |
| m | Potassium (dissolved) | 1300     | ug/l | 50    |
| m | Selenium              | < 0.0004 | ug/l | 0.000 |
| m | Silver                | <1.0     | ug/l | 1     |
| m | Sodium (dissolved)    | 16800    | ug/l | 5000  |
| m | Thallium              | <1.0     | ug/l | 1     |
| m | Zinc                  | <20      | ug/l | 20    |

Putah Crk below Monticello Dm

**BHP142** 

11/20/98

## CollectionDate by Quarter Q4 1998

| Group | Analyte                  | Result | Units | RL    | Qualifier       |
|-------|--------------------------|--------|-------|-------|-----------------|
|       | Gross Alpha (pCi/L)      | <1.34  | pCi/L | 1.34  |                 |
| inorg | Ammonia as N             | <100   | ug/l  | 100   |                 |
| inorg | Chloride                 | 3700   | ug/l  | 1000  |                 |
| inorg | COD                      | <10000 | ug/l  | 10000 |                 |
| inorg | Cyanide                  | <10    | ug/l  | 10    |                 |
| inorg | Fluoride                 | <500   | ug/l  | 500   |                 |
| inorg | Hardness, total as CaCO3 | 137000 | ug/l  | 3300  |                 |
| inorg | Nitrate + Nitrite as N   | 160    | ug/l  | 50    |                 |
| inorg | Phosphorus, Total as P   | <50    | ug/l  | 50    | SUSPECT (Sample |
| inorg | Sulfate                  | 14400  | ug/l  | 1000  |                 |
| inorg | TDS                      | 128000 | ug/l  | 10000 |                 |
| m     | Aluminum                 | 190    | ug/l  | 100   |                 |
| m     | Antimony                 | <2.0   | ug/l  | 2     |                 |
| m     | Arsenic                  | <2.0   | ug/l  | 2     |                 |
| m     | Barium                   | 39     | ug/l  | 10    |                 |
| m     | Beryllium                | <2.0   | ug/l  | 2     |                 |
| m     | Boron (dissolved)        | 130    | ug/l  | 100   |                 |
| m     | Cadmium                  | <1.0   | ug/l  | 1     |                 |
| m     | Calcium (dissolved)      | 15600  | ug/l  | 500   |                 |
| m     | Chromium                 | <10    | ug/l  | 10    |                 |
| m     | Copper                   | <20    | ug/l  | 20    |                 |
| m     | Iron                     | 200    | ug/l  | 100   |                 |
| m     | Lead                     | <1.0   | ug/l  | 1     |                 |
| m     | Magnesium (dissolved)    | 23800  | ug/l  | 500   |                 |
| m     | Manganese                | <10    | ug/l  | 10    |                 |
| m     | Mercury                  | 0.003  | ug/l  | 0.000 |                 |

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| m | Molybdenum            | <20   | ug/l | 20   |
|---|-----------------------|-------|------|------|
| m | Nickel                | <40   | ug/l | 40   |
| m | Potassium (dissolved) | 1300  | ug/l | 50   |
| m | Selenium              | < 0.4 | ug/l | 0.4  |
| m | Silver                | <1.0  | ug/l | 1    |
| m | Sodium (dissolved)    | 8400  | ug/l | 5000 |
| m | Thallium              | <1.0  | ug/l | 1    |
| m | Uranium               | <5.0  | ug/l | 5    |
| m | Zinc                  | <20   | ug/l | 20   |
|   |                       |       |      |      |

Putah Crk below Monticello Dm

**BHP169** 

2/17/99

## CollectionDate by Quarter Q1 1999

| Group | Analyte                  | Result  | Units   | RL     | Qualifier |
|-------|--------------------------|---------|---------|--------|-----------|
| bio   | Cryptosporidium          | < 0.1   | Organ/L | +<0.1/ |           |
| bio   | Fecal Coliform           | 2       | MPN/100 | 2      |           |
| bio   | Giardia                  | < 0.1   | Organ/L | +<0.1/ |           |
| bio   | Total Coliform           | 2       | MPN/100 | 2      |           |
| inorg | Ammonia as N             | <100    | ug/l    | 100    |           |
| inorg | Chloride                 | 4,600   | ug/l    | 1000   |           |
| inorg | COD                      | <10,000 | ug/l    | 10000  |           |
| inorg | Cyanide                  | <10     | ug/l    | 10     |           |
| inorg | Fluoride                 | <500    | ug/l    | 500    |           |
| inorg | Gross Alpha              | <1.22   | pCi/L   | 1.22   |           |
| inorg | Hardness, total as CaCO3 | 152,000 | ug/l    | 3300   |           |
| inorg | Nitrate + Nitrite as N   | 55      | ug/l    | 50     |           |
| inorg | Phosphorus, Total as P   | <50     | ug/l    | 50     |           |
| inorg | Sulfate                  | 21,000  | ug/l    | 1000   |           |
| inorg | TDS                      | 183,000 | ug/l    | 10000  |           |
| m     | Aluminum                 | 200     | ug/l    | 100    |           |
| m     | Antimony                 | <2      | ug/l    | 2      |           |
| m     | Arsenic                  | <2      | ug/l    | 2      |           |
| m     | Barium                   | 51      | ug/l    | 10     |           |
| m     | Beryllium                | <2      | ug/l    | 2      |           |
| m     | Boron (dissolved)        | 170     | ug/l    | 100    |           |
| m     | Cadmium                  | < 0.5   | ug/l    | 0.5    |           |
| m     | Calcium (dissolved)      | 16,700  | ug/l    | 500    |           |
| m     | Chromium                 | <2      | ug/l    | 2      |           |
| m     | Copper                   | 1.9     | ug/l    | 1      |           |
| m     | Iron                     | 240     | ug/l    | 100    |           |
| m     | Lead                     | <1      | ug/l    | 1      |           |
| m     | Magnesium (dissolved)    | 26,700  | ug/l    | 500    |           |
| m     | Manganese                | <10     | ug/l    | 10     |           |
| m     | Mercury                  | 0.01    | ug/l    | 0.001  |           |
| m     | Molybdenum               | <1      | ug/l    | 1      |           |

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| m          | Nickel                | <40            | ug/l       | 40     |
|------------|-----------------------|----------------|------------|--------|
| m          | Potassium (dissolved) | 1,20           | 0 ug/l     | 50     |
| m          | Selenium              | <0.4           | ug/l       | 0.4    |
| m          | Silver                | <1             | ug/l       | 1      |
| m          | Sodium (dissolved)    | 9,00           | 0 ug/l     | 5000   |
| m          | Thallium              | <1             | ug/l       | 1      |
| m          | Uranium               | <5             | ug/l       | 5      |
| m          | Zinc                  | <20            | ug/l       | 20     |
| Station ID | BS_MN_06              | Putah Crk belo | ow Montice | llo Dm |

BHP177

5/17/99

## CollectionDate by Quarter Q2 1999

| Group | Analyte                  | Result  | Units   | RL     | Qualifier |
|-------|--------------------------|---------|---------|--------|-----------|
| bio   | Cryptosporidium          | <0.1    | Organ/L | +<0.1/ |           |
| bio   | Fecal Coliform           | <2      | MPN/100 | 2      |           |
| bio   | Giardia                  | < 0.1   | Organ/L | +<0.1/ |           |
| bio   | Total Coliform           | 4       | MPN/100 | 2      |           |
| inorg | Ammonia as N             | <100    | ug/l    | 100    |           |
| inorg | Chloride                 | 6,600   | ug/l    | 2000   |           |
| inorg | COD                      | <10,000 | ug/l    | 10000  |           |
| inorg | Cyanide                  | <10     | ug/l    | 10     |           |
| inorg | Fluoride                 | <500    | ug/l    | 500    |           |
| inorg | Gross Alpha              | <1.55   | pCi/L   | 1.55   |           |
| inorg | Hardness, total as CaCO3 | 149,000 | ug/l    | 3300   |           |
| inorg | Nitrate + Nitrite as N   | 89      | ug/l    | 50     |           |
| inorg | Phosphorus, Total as P   | <50     | ug/l    | 50     |           |
| inorg | Sulfate                  | 29,400  | ug/l    | 1000   |           |
| inorg | TDS                      | 195,000 | ug/l    | 10000  |           |
| m     | Aluminum                 | <100    | ug/l    | 100    |           |
| m     | Antimony                 | <2      | ug/l    | 2      |           |
| m     | Arsenic                  | <2      | ug/l    | 2      |           |
| m     | Barium                   | 47      | ug/l    | 10     |           |
| m     | Beryllium                | <2      | ug/l    | 2      |           |
| m     | Boron (dissolved)        | 200     | ug/l    | 100    |           |
| m     | Cadmium                  | < 0.5   | ug/l    | 0.5    |           |
| m     | Calcium (dissolved)      | 19,200  | ug/l    | 500    |           |
| m     | Chromium                 | 1.7     | ug/l    | 1      |           |
| m     | Copper                   | 1.4     | ug/l    | 1      |           |
| m     | Iron                     | <100    | ug/l    | 100    |           |
| m     | Lead                     | <1      | ug/l    | 1      |           |
| m     | Magnesium (dissolved)    | 24,500  | ug/l    | 500    |           |
| m     | Manganese                | <10     | ug/l    | 10     |           |
| m     | Mercury                  | < 0.01  | ug/l    | 0.01   |           |
| m     | Molybdenum               | <1      | ug/l    | 1      |           |
| m     | Nickel                   | <40     | ug/l    | 40     |           |
|       |                          |         |         |        |           |

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| m | Potassium (dissolved) | 1,100  | ug/l | 50   |
|---|-----------------------|--------|------|------|
| m | Selenium              | < 0.4  | ug/l | 0.4  |
| m | Silver                | <1     | ug/l | 1    |
| m | Sodium (dissolved)    | 11,500 | ug/l | 5000 |
| m | Thallium              | <1     | ug/l | 1    |
| m | Uranium               | <5     | ug/l | 5    |
| m | Zinc                  | <20    | ug/l | 20   |

Putah Crk below Monticello Dm

**BHP197** 

8/25/99

## CollectionDate by Quarter Q3 1999

| Group | Analyte                  | Result  | Units   | RI.   | Qualifier |
|-------|--------------------------|---------|---------|-------|-----------|
| bio   | Cryptosporidium          | <0.1    | Organ/L | 0.1   |           |
| bio   | Fecal Coliform           | 2       | MPN/100 | 2     |           |
| bio   | Giardia                  | < 0.1   | Organ/L | 0.1   |           |
| bio   | Total Coliform           | 8       | MPN/100 | 2     |           |
| inorg | Ammonia as N             | 100     | ug/l    | 100   |           |
| inorg | Chloride                 | 5,000   | ug/l    | 2000  |           |
| inorg | COD                      | <50,000 | ug/l    | 50000 |           |
| inorg | Cyanide                  | <10     | ug/l    | 10    |           |
| inorg | Fluoride                 | 100     | ug/l    | 100   |           |
| inorg | Gross Alpha              | < 0.913 | pCi/L   | 0.913 |           |
| inorg | Hardness, total as CaCO3 | 143,000 | ug/l    | 3300  |           |
| inorg | Nitrate + Nitrite as N   | 270     | ug/l    | 100   |           |
| inorg | Phosphorus, Total as P   | <100    | ug/l    | 100   |           |
| inorg | Sulfate                  | 20,000  | ug/l    | 1000  |           |
| inorg | TDS                      | 170,000 | ug/l    | 10000 |           |
| m     | Aluminum                 | <100    | ug/l    | 100   |           |
| m     | Antimony                 | <2      | ug/l    | 2     |           |
| m     | Arsenic                  | <2      | ug/l    | 2     |           |
| m     | Barium                   | 46      | ug/l    | 10    |           |
| m     | Beryllium                | <2      | ug/l    | 2     |           |
| m     | Boron (dissolved)        | 100     | ug/l    | 100   |           |
| m     | Cadmium                  | < 0.5   | ug/l    | 0.5   |           |
| m     | Calcium (dissolved)      | 16,000  | ug/l    | 500   |           |
| m     | Chromium                 | 2.2     | ug/l    | 2     |           |
| m     | Copper                   | 1.6     | ug/l    | 1     |           |
| m     | Iron                     | <100    | ug/l    | 100   |           |
| m     | Lead                     | <1      | ug/l    | 1     |           |
| m     | Magnesium (dissolved)    | 25,000  | ug/l    | 500   |           |
| m     | Manganese                | <10     | ug/l    | 10    |           |
| m     | Mercury                  | 0.01    | ug/l    | 0.01  |           |
| m     | Molybdenum               | <1      | ug/l    | 1     |           |
| m     | Nickel                   | <40     | ug/l    | 40    |           |
| m     | Potassium (dissolved)    | <1,000  | ug/l    | 1000  |           |

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| m          | Selenium           | <0.4            | ug/l    | 0.4    |
|------------|--------------------|-----------------|---------|--------|
| m          | Silver             | <1              | ug/l    | 1      |
| m          | Sodium (dissolved) | 9,000           | ug/l    | 1000   |
| m          | Thallium           | <1              | ug/l    | 1      |
| m          | Uranium            | <5              | ug/l    | 5      |
| m          | Zinc               | <20             | ug/l    | 20     |
| Station ID | BS_MN_06           | Putah Crk below | Montice | llo Dm |

**BHP217** 

11/9/99

## CollectionDate by Quarter Q4 1999

| Group | Analyte                  | Result  | Units   | RL    | Qualifier |
|-------|--------------------------|---------|---------|-------|-----------|
| bio   | Cryptosporidium          | 0.4     | Organ/L | 0.1   |           |
| bio   | Fecal Coliform           | 2       | MPN/100 | 2     |           |
| bio   | Giardia                  | 0.2     | Organ/L | 0.1   |           |
| bio   | Total Coliform           | 30      | MPN/100 | 2     |           |
| inorg | Ammonia as N             | <100    | ug/l    | 100   |           |
| inorg | Chloride                 | 4,000   | ug/l    | 1000  |           |
| inorg | COD                      | <10,000 | ug/l    | 10000 |           |
| inorg | Cyanide                  | <10     | ug/l    | 10    |           |
| inorg | Fluoride                 | <100    | ug/l    | 100   |           |
| inorg | Gross Alpha              | <1.39   | pCi/L   | 1.39  |           |
| inorg | Hardness, total as CaCO3 | 143,000 | ug/l    | 3300  |           |
| inorg | Nitrate + Nitrite as N   | 140     | ug/l    | 100   |           |
| inorg | Phosphorus, Total as P   | <100    | ug/l    | 100   |           |
| inorg | Sulfate                  | 20,000  | ug/l    | 500   |           |
| inorg | TDS                      | 170,000 | ug/l    | 10000 |           |
| m     | Aluminum                 | 110     | ug/l    | 100   |           |
| m     | Antimony                 | <2      | ug/l    | 2     |           |
| m     | Arsenic                  | <2      | ug/l    | 2     |           |
| m     | Barium                   | 45      | ug/l    | 10    |           |
| m     | Beryllium                | <2      | ug/l    | 2     |           |
| m     | Boron (dissolved)        | 100     | ug/l    | 100   |           |
| m     | Cadmium                  | < 0.5   | ug/l    | 0.5   |           |
| m     | Calcium (dissolved)      | 16,000  | ug/l    | 500   |           |
| m     | Chromium                 | 2       | ug/l    | 1     |           |
| m     | Copper                   | 2.2     | ug/l    | 1     |           |
| m     | Iron                     | 190     | ug/l    | 100   |           |
| m     | Lead                     | <1      | ug/l    | 1     |           |
| m     | Magnesium (dissolved)    | 25,000  | ug/l    | 500   |           |
| m     | Manganese                | <10     | ug/l    | 10    |           |
| m     | Mercury                  | < 0.01  | ug/l    | 0.01  |           |
| m     | Molybdenum               | <1      | ug/l    | 1     |           |
| m     | Nickel                   | <40     | ug/l    | 40    |           |
| m     | Potassium (dissolved)    | <1,000  | ug/l    | 1000  |           |
| m     | Selenium                 | < 0.4   | ug/l    | 0.4   |           |
|       |                          |         |         |       |           |

| m | Silver             | <1    | ug/l | 1    |
|---|--------------------|-------|------|------|
| m | Sodium (dissolved) | 9,000 | ug/l | 1000 |
| m | Thallium           | <1    | ug/l | 1    |
| m | Uranium            | <5    | ug/l | 5    |
| m | Zinc               | <20   | ug/l | 20   |
|   |                    |       |      |      |

Putah Crk below Monticello Dm

**BHP238** 

3/7/00

## CollectionDate by Quarter Q1 2000

| Group | Analyte                  | Result | Units   | RL     | Qualifier |
|-------|--------------------------|--------|---------|--------|-----------|
| bio   | Cryptosporidium          | <0.1   | org/L   | +<0.1/ |           |
| bio   | Fecal Coliform           | 3      | CFU/100 | -      |           |
| bio   | Giardia                  | < 0.1  | org/L   | +<0.1/ |           |
| bio   | Total Coliform           | 63     | CFU/100 | -      |           |
| inorg | Ammonia as N             | <300   | ug/l    | 300    |           |
| inorg | Chloride                 | 9000   | ug/l    | 1000   |           |
| inorg | COD                      | <10000 | ug/l    | 10000  |           |
| inorg | Cyanide                  | <20    | ug/l    | 20     |           |
| inorg | Fluoride                 | <100   | ug/l    | 100    |           |
| inorg | Gross Alpha              | <1.0   | pCi/L   | 1.0    |           |
| inorg | Hardness, total as CaCO3 | 170000 | ug/l    | 3300   |           |
| inorg | Nitrate + Nitrite as N   | <50    | ug/l    | 50     |           |
| inorg | Phosphorus, Total as P   | <10    | ug/l    | 10     |           |
| inorg | Sulfate                  | 23000  | ug/l    | 1000   |           |
| inorg | TDS                      | 190000 | ug/l    | 15000  |           |
| m     | Aluminum                 | 46     | ug/l    | 10     |           |
| m     | Antimony                 | <1     | ug/l    | 1      |           |
| m     | Arsenic                  | <1     | ug/l    | 1      |           |
| m     | Barium                   | 52     | ug/l    | 5      |           |
| m     | Beryllium                | <1.1   | ug/l    | 1.1    |           |
| m     | Boron (dissolved)        | 190    | ug/l    | 20     |           |
| m     | Cadmium                  | < 0.5  | ug/l    | 0.5    |           |
| m     | Calcium (dissolved)      | 20000  | ug/l    | 100    |           |
| m     | Chromium                 | <2.1   | ug/l    | 2.1    |           |
| m     | Copper                   | 1.2    | ug/l    | 0.3    |           |
| m     | Iron                     | 55     | ug/l    | 20     |           |
| m     | Lead                     | 0.22   | ug/l    | 0.1    |           |
| m     | Magnesium (dissolved)    | 29000  | ug/l    | 100    |           |
| m     | Manganese                | 5.3    | ug/l    | 5      |           |
| m     | Mercury                  | < 0.01 | ug/l    | 0.01   |           |
| m     | Molybdenum               | <1.5   | ug/l    | 1.5    |           |
| m     | Nickel                   | 1.5    | ug/l    | 1      |           |
| m     | Potassium (dissolved)    | 1400   | ug/l    | 500    |           |
| m     | Selenium                 | < 0.4  | ug/l    | 0.4    |           |
| m     | Silver                   | <1     | ug/l    | 1      |           |

| m | Sodium (dissolved) | 9400 | ug/l | 100 |
|---|--------------------|------|------|-----|
| m | Thallium           | <0.1 | ug/l | 0.1 |
| m | Uranium            | <1   | ug/l | 1   |
| m | Zinc               | <20  | ug/l | 20  |
|   |                    |      |      |     |

Putah Crk below Monticello Dm

**BHP259** 

5/16/00

## CollectionDate by Quarter Q2 2000

| Group | Analyte                  | Result  | Units   | RL    | Qualifier |
|-------|--------------------------|---------|---------|-------|-----------|
| bio   | Cryptosporidium          | < 0.1   | org/L   | 0.1   |           |
| bio   | Fecal Coliform           | 4       | CFU/100 | -     |           |
| bio   | Giardia                  | < 0.1   | org/L   | 0.1   |           |
| bio   | Total Coliform           | 13      | CFU/100 | -     |           |
| inorg | Ammonia as N             | <300    | ug/l    | 300   |           |
| inorg | Chloride                 | 5500    | ug/l    | 500   |           |
| inorg | COD                      | <10000  | ug/l    | 10000 |           |
| inorg | Cyanide                  | <20     | ug/l    | 20    |           |
| inorg | Fluoride                 | <100    | ug/l    | 100   |           |
| inorg | Gross Alpha              | <1.0    | pCi/L   | 1.0   |           |
| inorg | Hardness, total as CaCO3 | 150000  | ug/l    | 3300  |           |
| inorg | Nitrate + Nitrite as N   | 58      | ug/l    | 50    |           |
| inorg | Phosphorus, Total as P   | <10     | ug/l    | 10    |           |
| inorg | Sulfate                  | 22000   | ug/l    | 500   |           |
| inorg | TDS                      | 210000  | ug/l    | 15000 |           |
| m     | Aluminum                 | 59      | ug/l    | 10    |           |
| m     | Antimony                 | 1.1     | ug/l    | 1     |           |
| m     | Arsenic                  | <1      | ug/l    | 1     |           |
| m     | Barium                   | 50      | ug/l    | 5     |           |
| m     | Beryllium                | <1      | ug/l    | 1     |           |
| m     | Boron (dissolved)        | 150     | ug/l    | 25    |           |
| m     | Cadmium                  | < 0.5   | ug/l    | 0.5   |           |
| m     | Calcium (dissolved)      | 18000   | ug/l    | 100   |           |
| m     | Chromium                 | 2.4     | ug/l    | 1     |           |
| m     | Copper                   | 15      | ug/l    | 0.3   |           |
| m     | Iron                     | 84      | ug/l    | 20    |           |
| m     | Lead                     | 0.1     | ug/l    | 0.1   |           |
| m     | Magnesium (dissolved)    | 26000   | ug/l    | 100   |           |
| m     | Manganese                | <5      | ug/l    | 5     |           |
| m     | Mercury                  | < 0.005 | ug/l    | 0.005 |           |
| m     | Molybdenum               | 1.8     | ug/l    | 1.5   |           |
| m     | Nickel                   | <10     | ug/l    | 10    |           |
| m     | Potassium (dissolved)    | <100    | ug/l    | 100   |           |
| m     | Selenium                 | < 0.4   | ug/l    | 0.4   |           |
| m     | Silver                   | <1      | ug/l    | 1     |           |
| m     | Sodium (dissolved)       | 8900    | ug/l    | 100   |           |
|       |                          |         |         |       |           |

| m | Thallium | <0.1 | ug/l | 0.1 |
|---|----------|------|------|-----|
| m | Uranium  | <5   | ug/l | 5   |
| m | Zinc     | <20  | ug/l | 20  |

Putah Crk below Monticello Dm

**BHP280** 

8/15/00

## CollectionDate by Quarter Q3 2000

| Group | Analyte                  | Result  | Units   | RL     | Qualifier |
|-------|--------------------------|---------|---------|--------|-----------|
| bio   | Cryptosporidium          | < 0.1   | org/L   | +<0.1/ |           |
| bio   | Fecal Coliform           | <2      | MPN/100 | 2      |           |
| bio   | Giardia                  | < 0.1   | org/L   | +<0.1/ |           |
| bio   | Total Coliform           | 23      | MPN/100 | 2      |           |
| inorg | Ammonia as N             | <300    | ug/l    | 300    |           |
| inorg | Chloride                 | 10000   | ug/l    | 1000   |           |
| inorg | COD                      | 110000  | ug/l    | 10000  |           |
| inorg | Cyanide                  | <20     | ug/l    | 20     |           |
| inorg | Fluoride                 | <100    | ug/l    | 100    |           |
| inorg | Gross Alpha              | <2      | pCi/L   | 2      |           |
| inorg | Hardness, total as CaCO3 | 160000  | ug/l    | 3300   |           |
| inorg | Nitrate + Nitrite as N   | 160     | ug/l    | 50     |           |
| inorg | Phosphorus, Total as P   | 10      | ug/l    | 10     |           |
| inorg | Sulfate                  | 49000   | ug/l    | 5000   |           |
| inorg | TDS                      | 240000  | ug/l    | 15000  |           |
| m     | Aluminum                 | 120     | ug/l    | 10     |           |
| m     | Antimony                 | <1      | ug/l    | 1      |           |
| m     | Arsenic                  | <1      | ug/l    | 1      |           |
| m     | Barium                   | 52      | ug/l    | 5      |           |
| m     | Beryllium                | < 0.5   | ug/l    | 0.5    |           |
| m     | Boron (dissolved)        | 170     | ug/l    | 25     |           |
| m     | Cadmium                  | < 0.5   | ug/l    | 0.5    |           |
| m     | Calcium (dissolved)      | 18000   | ug/l    | 100    |           |
| m     | Chromium                 | 1.6     | ug/l    | 1      |           |
| m     | Copper                   | 1.8     | ug/l    | 0.3    |           |
| m     | Iron                     | 88      | ug/l    | 20     |           |
| m     | Lead                     | <1      | ug/l    | 1      |           |
| m     | Magnesium (dissolved)    | 29000   | ug/l    | 100    |           |
| m     | Manganese                | <5      | ug/l    | 5      |           |
| m     | Mercury                  | < 0.005 | ug/l    | 0.005  |           |
| m     | Molybdenum               | <1.5    | ug/l    | 1.5    |           |
| m     | Nickel                   | 1.9     | ug/l    | 1      |           |
| m     | Potassium (dissolved)    | 1600    | ug/l    | 500    |           |
| m     | Selenium                 | < 0.4   | ug/l    | 0.4    |           |
| m     | Silver                   | <1      | ug/l    | 1      |           |
| m     | Sodium (dissolved)       | 9400    | ug/l    | 100    |           |
| m     | Thallium                 | <0.1    | ug/l    | 0.1    |           |

m Uranium m Zinc

<1 ug/l 1 4.3 ug/l 1

Station ID BS\_MN\_06

Putah Crk below Monticello Dm

**BHP301** 

11/7/00

## CollectionDate by Quarter Q4 2000

| Group | Analyte                  | Result  | Units   | RL     | Qualifier |
|-------|--------------------------|---------|---------|--------|-----------|
| bio   | Cryptosporidium          | < 0.1   | Org/L   | +<0.1/ |           |
| bio   | Fecal Coliform           | 22      | CFU/100 | 2      |           |
| bio   | Giardia                  | < 0.1   | Org/L   | +<0.1/ |           |
| bio   | Total Coliform           | 22      | CFU/100 | 2      |           |
| inorg | Ammonia as N             | <300    | ug/l    | 300    |           |
| inorg | Chloride                 | 5200    | ug/l    | 200    |           |
| inorg | COD                      | <10000  | ug/l    | 10000  |           |
| inorg | Cyanide                  | <20     | ug/l    | 20     |           |
| inorg | Fluoride                 | <100    | ug/l    | 100    |           |
| inorg | Gross Alpha              | <2      | pCi/L   | 2      |           |
| inorg | Hardness, total as CaCO3 | 160000  | ug/l    | 3300   |           |
| inorg | Nitrate + Nitrite as N   | 110     | ug/l    | 50     |           |
| inorg | Phosphorus, Total as P   | 18      | ug/l    | 10     |           |
| inorg | Sulfate                  | 21000   | ug/l    | 500    |           |
| inorg | TDS                      | 200000  | ug/l    | 15000  |           |
| m     | Aluminum                 | 110     | ug/l    | 10     |           |
| m     | Antimony                 | <1      | ug/l    | 1      |           |
| m     | Arsenic                  | <1      | ug/l    | 1      |           |
| m     | Barium                   | 52      | ug/l    | 5      |           |
| m     | Beryllium                | < 0.5   | ug/l    | 0.5    |           |
| m     | Boron (dissolved)        | 170     | ug/l    | 20     |           |
| m     | Cadmium                  | < 0.5   | ug/l    | 0.5    |           |
| m     | Calcium (dissolved)      | 17000   | ug/l    | 100    |           |
| m     | Chromium                 | 1.3     | ug/l    | 1      |           |
| m     | Copper                   | 2       | ug/l    | 0.3    |           |
| m     | Iron                     | 200     | ug/l    | 20     |           |
| m     | Lead                     | <1      | ug/l    | 1      |           |
| m     | Magnesium (dissolved)    | 28000   | ug/l    | 100    |           |
| m     | Manganese                | 7.7     | ug/l    | 5      |           |
| m     | Mercury                  | < 0.005 | ug/l    | 0.005  |           |
| m     | Molybdenum               | <1.5    | ug/l    | 1.5    |           |
| m     | Nickel                   | 3.2     | ug/l    | 1      |           |
| m     |                          |         |         |        |           |

m Zinc

Station ID BS\_MN\_06 Putah Crk below Monticello Dm

Station ID BS\_MN\_06 BHP323

2/27/01

## CollectionDate by Quarter Q1 2001

| Group | Analyte                  | Result | Units   | RL    | Qualifier |
|-------|--------------------------|--------|---------|-------|-----------|
| bio   | Cryptosporidium          | < 0.1  | Org/L   | < 0.1 |           |
| bio   | Fecal Coliform           | 2      | CFU/100 | <2    |           |
| bio   | Giardia                  | < 0.1  | Org/L   | < 0.1 |           |
| bio   | Total Coliform           | 23     | CFU/100 | <2    |           |
| inorg | Ammonia as N             | <300   | ug/l    | 300   |           |
| inorg | Chloride                 | 12000  | ug/l    | 100   |           |
| inorg | COD                      | <10000 | ug/l    | 10000 |           |
| inorg | Cyanide                  | <20    | ug/l    | 20    |           |
| inorg | Fluoride                 | 130    | ug/l    | 100   |           |
| inorg | Gross Alpha              | <1:16  | pCi/L   | 1.16  |           |
| inorg | Hardness, total as CaCO3 | 174500 | ug/l    | 3300  |           |
| inorg | Nitrate + Nitrite as N   | <50    | ug/l    | 50    |           |
| inorg | Phosphorus, Total as P   | 16     | ug/l    | 10    |           |
| inorg | Sulfate                  | 40000  | ug/l    | 1000  |           |
| inorg | TDS                      | 220000 | ug/l    | 15000 |           |
| m     | Aluminum (dissolved)     | <10    | ug/l    | 10    |           |
| m     | Antimony (dissolved)     | <1     | ug/l    | 1     |           |
| m     | Arsenic (dissolved)      | <1     | ug/l    | 1     |           |
| m     | Barium (dissolved)       | 48     | ug/l    | 5     |           |
| m     | Beryllium (dissolved)    | <1     | ug/l    | 1     |           |
| m     | Boron                    | 290    | ug/l    | 20    |           |
| m     | Cadmium (dissolved)      | < 0.5  | ug/l    | 0.5   |           |
| m     | Calcium (dissolved)      | 27000  | ug/l    | 100   |           |
| m     | Chromium (dissolved)     | 1.2    | ug/l    | 0.3   |           |
| m     | Copper (dissolved)       | 1.8    | ug/l    | 1     |           |
| m     | Iron (dissolved)         | <20    | ug/l    | 20    |           |
| m     | Lead (dissolved)         | <1     | ug/l    | 1     |           |
| m     | Magnesium (dissolved)    | 26000  | ug/l    | 100   |           |
| m     | Manganese (dissolved)    | 12     | ug/l    | 5     |           |
| m     | Mercury (dissolved)      | 0.0055 | ug/l    | 0.005 |           |
| m     | Molybdenum               | <1     | ug/l    | 1     |           |
| m     | Nickel (dissolved)       | <1     | ug/l    | 1     |           |
| m     | Potassium (dissolved)    | <100   | ug/l    | 100   |           |
| m     | Selenium                 | 0.420  | ug/l    | < 0.4 |           |
| m     | Silver (dissolved)       | <1     | ug/l    | 1     |           |
| m     | Sodium (dissolved)       | 19000  | ug/l    | 100   |           |
| m     | Thallium (dissolved)     | <1     | ug/l    | 1     |           |
| m     | Uranium (dissolved)      | <1     | ug/l    | 1     |           |
| m     | Zinc (dissolved)         | <1     | ug/l    | 1     |           |

## Station ID BS\_MN\_06 BHP348

Putah Crk below Monticello Dm

5/16/01

## CollectionDate by Quarter Q2 2001

| Group | Analyte                  | Result  | Units   | RL    | Qualifier |
|-------|--------------------------|---------|---------|-------|-----------|
| bio   | Cryptosporidium          | < 0.1   | Org/L   | < 0.1 |           |
| bio   | E.Coli                   | 2       | MPN/100 | 2     |           |
| bio   | Fecal Coliform           | 2       | MPN/100 | 2     |           |
| bio   | Giardia                  | < 0.1   | Org/L   | < 0.1 |           |
| bio   | Total Coliform           | 4       | MPN\100 | 2     |           |
| inorg | Ammonia as N             | 450     | ug/l    | 300   |           |
| inorg | Chloride                 | 6600    | ug/l    | 1000  |           |
| inorg | COD                      | <10000  | ug/l    | 10000 |           |
| inorg | Cyanide                  | <20     | ug/l    | 20    |           |
| inorg | Fluoride                 | <100    | ug/l    | 100   |           |
| inorg | Gross Alpha              | <1.03   | pCi/L   | 1.03  |           |
| inorg | Hardness, total as CaCO3 | 171000  | ug/l    | 3300  |           |
| inorg | Nitrate + Nitrite as N   | <50     | ug/l    | 50    |           |
| inorg | Phosphorus, Total as P   | 24      | ug/l    | 10    |           |
| inorg | Sulfate                  | 26000   | ug/l    | 1000  |           |
| inorg | TDS                      | 190000  | ug/l    | 15000 |           |
| m     | Aluminum (dissolved)     | <10     | ug/l    | 10    |           |
| m     | Antimony (dissolved)     | <1      | ug/l    | 1     |           |
| m     | Arsenic (dissolved)      | <1      | ug/l    | 1     |           |
| m     | Barium (dissolved)       | 51      | ug/l    | 5     |           |
| m     | Beryllium (dissolved)    | <1      | ug/l    | 1     |           |
| m     | Boron                    | 200     | ug/l    | 10    |           |
| m     | Cadmium (dissolved)      | < 0.5   | ug/l    | 0.5   |           |
| m     | Calcium (dissolved)      | 19000   | ug/l    | 100   |           |
| m     | Chromium (dissolved)     | <1      | ug/l    | 1     |           |
| m     | Copper (dissolved)       | < 0.3   | ug/l    | 0.3   |           |
| m     | Iron (dissolved)         | <20     | ug/l    | 20    |           |
| m     | Lead (dissolved)         | <1      | ug/l    | 1     |           |
| m     | Magnesium (dissolved)    | 30000   | ug/l    | 100   |           |
| m     | Manganese (dissolved)    | 7.1     | ug/l    | 5     |           |
| m     | Mercury (dissolved)      | < 0.005 | ug/l    | 0.005 |           |
| m     | Molybdenum               | <1      | ug/l    | 1     |           |
| m     | Nickel (dissolved)       | <1      | ug/l    | 1     |           |
| m     | Potassium (dissolved)    | 2200    | ug/l    | 500   |           |
| m     | Selenium                 | < 0.4   | ug/l    | 0.4   |           |
| m     | Silver (dissolved)       | <1      | ug/l    | 1     |           |
| m     | Sodium (dissolved)       | 10000   | ug/l    | 100   |           |
| m     | Thallium (dissolved)     | <1      | ug/l    | 1     |           |
| m     | Uranium (dissolved)      | <1      | ug/l    | 1     |           |
| 111   | Oranium (dissolved)      | -1      | ugn     | 1     |           |

## Station ID BS\_MN\_06 BHP373

Putah Crk below Monticello Dm

8/7/01

## CollectionDate by Quarter Q3 2001

| Group | Analyte                  | Result  | Units   | RL    | Qualifier |
|-------|--------------------------|---------|---------|-------|-----------|
| bio   | Cryptosporidium          | < 0.1   | Org/L   | 0.1   |           |
| bio   | E.Coli                   | 2       | MPN/100 | 2     |           |
| bio   | Fecal Coliform           | 2       | MPN/100 | 2     |           |
| bio   | Giardia                  | < 0.1   | Org/L   | 0.1   |           |
| bio   | Total Coliform           | 110     | MPN\100 | 2     |           |
| inorg | Ammonia as N             | <300    | ug/l    | 300   |           |
| inorg | Chloride                 | 5200    | ug/l    | 500   |           |
| inorg | COD                      | <10000  | ug/l    | 10000 |           |
| inorg | Cyanide                  | <20     | ug/l    | 20    |           |
| inorg | Fluoride                 | <100    | ug/l    | 100   |           |
| inorg | Gross Alpha              | <1.01   | pCi/L   | 1.01  |           |
| inorg | Hardness, total as CaCO3 | 172600  | ug/l    | 15000 |           |
| inorg | Nitrate + Nitrite as N   | <50     | ug/l    | 50    |           |
| inorg | Phosphorus, Total as P   | 16      | ug/l    | 10    |           |
| inorg | Sulfate                  | 18000   | ug/l    | 2000  |           |
| inorg | TDS                      | 190000  | ug/l    | 15000 |           |
| m     | Aluminum (dissolved)     | <10     | ug/l    | 10    |           |
| m     | Antimony (dissolved)     | 1.5     | ug/l    | 1     |           |
| m     | Arsenic (dissolved)      | 1.1     | ug/l    | 1     |           |
| m     | Barium (dissolved)       | 51      | ug/l    | 5     |           |
| m     | Beryllium (dissolved)    | <1      | ug/l    | 1     |           |
| m     | Boron                    | 180     | ug/l    | 20    |           |
| m     | Cadmium (dissolved)      | <1      | ug/l    | 1     |           |
| m     | Calcium (dissolved)      | 18000   | ug/l    | 100   |           |
| m     | Chromium (dissolved)     | <1      | ug/l    | 1     |           |
| m     | Copper (dissolved)       | <1      | ug/l    | 1     |           |
| m     | Iron (dissolved)         | <20     | ug/l    | 20    |           |
| m     | Lead (dissolved)         | <1      | ug/l    | 1     |           |
| m     | Magnesium (dissolved)    | 31000   | ug/l    | 100   |           |
| m     | Manganese (dissolved)    | <5      | ug/l    | 5     |           |
| m     | Mercury (dissolved)      | < 0.005 | ug/l    | 0.005 |           |
| m     | Molybdenum               | <1      | ug/l    | 1     |           |
| m     | Nickel (dissolved)       | 1       | ug/l    | 1     |           |
| m     | Potassium (dissolved)    | 1600    | ug/l    | 500   |           |
| m     | Selenium                 | < 0.4   | ug/l    | 0.4   |           |
| m     | Silver (dissolved)       | <1      | ug/l    | 1     |           |
| m     | Sodium (dissolved)       | 9900    | ug/l    | 100   |           |
| m     | Thallium (dissolved)     | <1      | ug/l    | 1     |           |
| m     | Uranium (dissolved)      | <1      | ug/l    | 1     |           |
| m     | Zinc (dissolved)         | <1      | ug/l    | 1     |           |
|       |                          |         |         |       |           |

11/7/01

## CollectionDate by Quarter Q4 2001

| Group | Analyte                  | Result  | Units   | RL    | Qualifier |
|-------|--------------------------|---------|---------|-------|-----------|
| bio   | Cryptosporidium          | <0.1    | Org/L   | 0.1   |           |
| bio   | E.Coli                   | <2      | MPN\100 | 2     |           |
| bio   | Fecal Coliform           | <2      | MPN\100 | 2     |           |
| bio   | Giardia                  | < 0.1   | Org/L   | 0.1   |           |
| bio   | Total Coliform           | 4       | MPN\100 | 2     |           |
| inorg | Ammonia as N             | <300    | ug/l    | 300   |           |
| inorg | Chloride                 | 5000    | ug/l    | 500   |           |
| inorg | COD                      | <10000  | ug/l    | 10000 |           |
| inorg | Cyanide                  | <20     | ug/l    | 20    |           |
| inorg | Fluoride                 | 110     | ug/l    | 100   |           |
| inorg | Gross Alpha              | <1.73   | pCi/L   | 1.73  |           |
| inorg | Hardness, total as CaCO3 | 151100  | ug/l    | 700   |           |
| inorg | Nitrate + Nitrite as N   | 76      | ug/l    | 50    |           |
| inorg | Phosphorus, Total as P   | <10     | ug/l    | 10    |           |
| inorg | Sulfate                  | 21000   | ug/l    | 1000  |           |
| inorg | TDS                      | 190000  | ug/l    | 15000 |           |
| m     | Aluminum (dissolved)     | <10     | ug/l    | 10    |           |
| m     | Antimony (dissolved)     | <1      | ug/l    | 1     |           |
| m     | Arsenic (dissolved)      | 1.1     | ug/l    | 1     |           |
| m     | Barium (dissolved)       | 44      | ug/l    | 5     |           |
| m     | Beryllium (dissolved)    | <1      | ug/l    | 1     |           |
| m     | Boron                    | 140     | ug/l    | 20    |           |
| m     | Cadmium (dissolved)      | < 0.5   | ug/l    | 0.5   |           |
| m     | Calcium (dissolved)      | 16000   | ug/l    | 100   |           |
| m     | Chromium (dissolved)     | <1      | ug/l    | 1     |           |
| m     | Copper (dissolved)       | 1.2     | ug/l    | 0.3   |           |
| m     | Iron (dissolved)         | <20     | ug/l    | 20    |           |
| m     | Lead (dissolved)         | <1      | ug/l    | 1     |           |
| m     | Magnesium (dissolved)    | 27000   | ug/l    | 100   |           |
| m     | Manganese (dissolved)    | <5      | ug/l    | 5     |           |
| m     | Mercury (dissolved)      | < 0.005 | ug/l    | 0.005 |           |
| m     | Molybdenum               | <1      | ug/l    | 1     |           |
| m     | Nickel (dissolved)       | 1.6     | ug/l    | 1     |           |
| m     | Potassium (dissolved)    | 2200    | ug/l    | 500   |           |
| m     | Selenium                 | < 0.4   | ug/l    | 0.4   |           |
| m     | Silver (dissolved)       | <1      | ug/l    | 1     |           |
| m     | Sodium (dissolved)       | 10000   | ug/l    | 100   |           |
| m     | Thallium (dissolved)     | <1      | ug/l    | 1     |           |
|       | Uranium (dissolved)      | <1      | ug/l    | 1     |           |
| m     | Orallium (dissolved)     |         | uu/I    |       |           |

## Station ID BS\_MN\_06 BHP424

Putah Crk below Monticello Dm

2/11/02

## CollectionDate by Quarter Q1 2002

| Group | Analyte                | Result  | Units   | RL    | Qualifier                |
|-------|------------------------|---------|---------|-------|--------------------------|
| bio   | Cryptosporidium        | <0.1    | Org/L   | 0.1   |                          |
| bio   | E.Coli                 | <2      | MPN\100 | 2     |                          |
| bio   | Fecal Coliform         | <2      | MPN\100 | 2     |                          |
| bio   | Giardia                | < 0.1   | Org/L   | 0.1   |                          |
| bio   | Total Coliform         | <2      | MPN\100 | 2     |                          |
| inorg | Ammonia as N           | <50     | ug/l    | 50    |                          |
| inorg | Chloride               | 12000   | ug/l    | 1000  |                          |
| inorg | COD                    | <3000   | ug/l    | 3000  |                          |
| inorg | Cyanide                | <3      | ug/l    | 3     |                          |
| inorg | Fluoride               | <50     | ug/l    | 50    | SUSPECT LOW BIAS         |
| inorg | Gross Alpha            | <1.57   | pCi/L   | 1.57  |                          |
| inorg | Nitrate + Nitrite as N | 1860    | ug/l    | 50    |                          |
| inorg | Phosphorus, Total as P | 120     | ug/l    | 50    |                          |
| inorg | Sulfate                | 31000   | ug/l    | 2000  |                          |
| inorg | TDS                    | 203000  | ug/l    | 2000  |                          |
| m     | Aluminum (dissolved)   | 7.7     | ug/l    | 0.5   |                          |
| m     | Antimony (dissolved)   | < 0.5   | ug/l    | 0.5   |                          |
| m     | Arsenic (dissolved)    | 1.0     | ug/l    | 0.5   |                          |
| m     | Barium (dissolved)     | 51.7    | ug/l    | 0.5   |                          |
| m     | Beryllium (dissolved)  | < 0.5   | ug/l    | 0.5   |                          |
| m     | Boron                  | 295     | ug/l    | 2     |                          |
| m     | Cadmium (dissolved)    | < 0.25  | ug/l    | 0.25  |                          |
| m     | Calcium (dissolved)    | 20000   | ug/l    | 1000  |                          |
| m     | Chromium (dissolved)   | 2.9     | ug/l    | 0.5   |                          |
| m     | Copper (dissolved)     | 1.2     | ug/l    | 0.5   |                          |
| m     | Iron (dissolved)       | 12      | ug/l    | 10    |                          |
| m     | Lead (dissolved)       | < 0.5   | ug/l    | 0.5   |                          |
| m     | Magnesium (dissolved)  | 26000   | ug/l    | 1000  |                          |
| m     | Manganese (dissolved)  | 7.1     | ug/l    | 0.5   |                          |
| m     | Mercury (dissolved)    | < 0.005 | ug/l    | 0.005 | OUT OF HOLD TIME; BIASED |
| m     | Molybdenum             | 0.62    | ug/l    | 0.25  |                          |
| m     | Nickel (dissolved)     | 2       | ug/l    | 1     |                          |
| m     | Potassium (dissolved)  | 1000    | ug/l    | 1000  |                          |
| m     | Selenium               | < 0.4   | ug/l    | 0.4   |                          |
| m     | Silver (dissolved)     | < 0.25  | ug/l    | 0.25  |                          |
| m     | Sodium (dissolved)     | 13000   | ug/l    | 1000  |                          |
| m     | Thallium (dissolved)   | <1      | ug/l    | 1     |                          |
| m     | Uranium (dissolved)    | < 0.5   | ug/l    | 0.5   |                          |
| m     | Zinc (dissolved)       | 7       | ug/l    | 1     |                          |

5/20/02

## CollectionDate by Quarter Q2 2002

| Group | Analyte                | Result  | Units   | RL    | Qualifier |
|-------|------------------------|---------|---------|-------|-----------|
| bio   | Cryptosporidium        | <0.1    | Org/L   | 0.1   |           |
| bio   | E.Coli                 | 2       | MPN\100 | 2     |           |
| bio   | Fecal Coliform         | 2       | MPN\100 | 2     |           |
| bio   | Giardia                | <0.1    | Org/L   | 0.1   |           |
| bio   | Total Coliform         | 8       | MPN\100 | 2     |           |
| inorg | Ammonia as N           | <50     | ug/l    | 50    |           |
| inorg | Chloride               | 5300    | ug/l    | 1000  |           |
| inorg | COD                    | <10000  | ug/l    | 10000 |           |
| inorg | Cyanide                | <10     | mg/l    | 10    |           |
| inorg | Fluoride               | <400    | ug/l    | 400   |           |
| inorg | Gross Alpha            | < 0.632 | pCi/L   | 0.632 |           |
| inorg | Nitrate + Nitrite as N | 93      | ug/l    | 10    |           |
| inorg | Phosphorus, Total as P | 24      | ug/l    | 10    |           |
| inorg | Sulfate                | 19000   | ug/l    | 1000  |           |
| inorg | TDS                    | 190000  | ug/l    | 15000 |           |
| m     | Aluminum (dissolved)   | <10     | ug/l    | 10    |           |
| m     | Antimony (dissolved)   | <1      | ug/l    | 1     |           |
| m     | Arsenic (dissolved)    | 1.4     | ug/l    | 1     |           |
| m     | Barium (dissolved)     | 48      | ug/l    | 5     |           |
| m     | Beryllium (dissolved)  | <5      | ug/l    | 5     |           |
| m     | Boron                  | 69      | ug/l    | 20    |           |
| m     | Cadmium (dissolved)    | < 0.5   | ug/l    | 0.5   |           |
| m     | Calcium (dissolved)    | 17000   | ug/l    | 100   |           |
| m     | Chromium (dissolved)   | <1      | ug/l    | 1     |           |
| m     | Copper (dissolved)     | 1.1     | ug/l    | 0.3   |           |
| m     | Iron (dissolved)       | <20     | ug/l    | 20    |           |
| m     | Lead (dissolved)       | 0.11    | ug/l    | 0.1   |           |
| m     | Magnesium (dissolved)  | 28000   | ug/l    | 100   |           |
| m     | Manganese (dissolved)  | <5      | ug/l    | 5     |           |
| m     | Mercury (dissolved)    | < 0.005 | ug/l    | 0.005 |           |
| m     | Molybdenum             | <1      | ug/l    | 1     |           |
| m     | Nickel (dissolved)     | <40     | ug/l    | 40    |           |
| m     | Potassium (dissolved)  | 1100    | ug/l    | 500   |           |
| m .   | Selenium               | < 0.4   | ug/l    | 0.4   |           |
| m     | Silver (dissolved)     | <1      | ug/l    | 1     |           |
| m     | Sodium (dissolved)     | 9200    | ug/l    | 100   |           |
| m     | Thallium (dissolved)   | < 0.4   | ug/l    | 0.4   |           |
| m     | Uranium (dissolved)    | <1      | ug/l    | 1     |           |
| m     | Zinc (dissolved)       | <20     | ug/l    | 20    |           |



1885 North Kelly Road Napa, CA 94558 Phone: (707) 258-4000

Fax: (707) 226-1001

| LAB NUMBER |  |
|------------|--|
| C020145    |  |

CCDOHS, SR

FEES:

COLIFORM BACTERIA ANALYSIS, NO. DATE

Results available in 5 days ..

For Coliform Analysis Only

RUSH - Results faxed/verbal next day ..... add \$20.00
Payment must be received before analysis can begin.

Check here if this is a next

☐ Check here if this sample is

XX Check here to have lab send copy to regulatory office.

business day Rush analysis.

used for regulatory purposes.

NCEH NOHS.SR DOHS.BERK

#### SAMPLING INSTRUCTIONS:

#### BOTTLE IS STERILE -DO NOT OPEN OR RINSE BEFORE SAMPLING

- 1. Pick a water tap that is commonly used. Do not use a swivel faucet.
- 2. Remove any tap attachments (filters, aerators, etc.).
- 3. Let the water run for a full 5 to 10 minutes.
- 4. Clean faucet with rubbing alcohol, inside and outside.
- 5. Open the cold water valve to a full steady stream.
- 6. Hold the sample container near the bottom.

#### CARE MUST BE TAKEN IN THE FOLLOWING STEPS TO AVOID SPLASHING

- 7. Reduce the flow of water to a 'pencil' stream.
- 8. Remove cap without touching the neck or the inside of cap.
- 9. Open the sample container carefully insert opening into the water stream fill the container to the 100 ml line recap container and tighten. RETURN TO THE LAB WITHIN 12 HOURS.

NOTE: 100ml of sample is required to perform this analysis accurately, therefore it is critical that the container be filled to the 100ml line.

| CHAIN OF C   | 031001 | •  |             |  |
|--------------|--------|----|-------------|--|
| Client: U.S. | Bureau | of | Reclamation |  |

Phone: (707) 966-2111

\_\_\_Fax: (707) 966-0409

Address: 5520 Knoxville Rd. Napa, Ca. 94558

M/C Type of Payment Enclosed:

Project: Lake Berryessa Date of Sampling: 2-06-02

CULTURE OUICEONY

Time of Sampling: 40645 •

Time

Sampled By: Clayton T. Dennis

Report ATTN: Clayton T. Dennis

Sample Location Description: in side tap, bureau headquarters

Submitted By: (Print & Sign) Clayton T. Dennis

2-06-02

Received By:

CSI

6/12 840

RESULTS

Analyst: \_

**Total Coliform** 

Fecal Coliform (E. Coli)

Date/Time Set: \_ 2/6/02

Date/Time Read Out: 2/7/

PRESENT

ABSENT

PRESENT

**ABSENT** 

ONLY THE STATEMENT 'TOTAL COLIFORM ABSENT' MEANS THAT THE WATER MEETS THE BACTERIAL REQUIREMENTS OF THE STATE HEALTH AND SAFETY CODES FOR POTABLE WATER.



1885 North Kelly Road Napa, CA 94558 Phone: (707) 258-4000

Fax: (707) 226-1001

LAB NUMBER

Payment must be received before analysis can begin.

☐ Check here if this is a next business day Rush analysis.

☐ Check here if this sample is

Check here to have lab send copy to regulatory office. NCEH DOHS.SR DOHS.BERK

used for regulatory purposes.

## COLIFORM BACTERIA ANALYS

MAR 1 4 2002

#### SAMPLING INSTRUCTIONS: For Coliform Analysis Only BOTTLE IS STERILE -DO NOT OPEN OR RINSE BEFORE SAMPLING Results available in 5 days .. RUSH - Results faxed/verbal next day ..... add \$20.00

- 1. Pick a water tap that is commonly used. Do not use a swivel faucet.
- 2. Remove any tap attachments (filters, aerators, etc.).
- 3. Let the water run for a full 5 to 10 minutes.
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- 5. Open the cold water valve to a full steady stream.
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NOTE: 100ml of sample is required to perform this analysis accurately, therefore it is critical that the container be filled to the 100ml line.

| CHAIN OF CUSTODY: Client: U.S. Bureau of Reclama             | ationPhone:                                    | (707) 966-2111 | Fax: <u>(707)</u> 96       | 66-0409  |
|--|--|----------------|----------------------------|----------|
| Client: U.S. Bureau of Rectam                                | ana Ca. 94558                                  | Type of Pay    | ment Enclosed: M/C         |          |
| Address: 5520 Knoxville Rd. Na Project: Lake Berryessa       | ара, ос. 74550                                 | Report ATTN    | Clayton T. Denni           | is       |
| Date of Sampling: 3-11-02 Sample Location Description: Insid | Time of Sampling:0726<br>e tap, water treatmen |                | npled By: <u>Clayton T</u> | . Dennis |
| Submitted By: (Print & Sign) Clayton T. Dennis               | Date 3-11-02                                   | 912 Re         | cerved by:                 | CSI      |

| RESULTS   |            | Total Co      | oliform     | Fecal Co<br>(E. C           |                  |
|---|------------|---------------|-------------|-----------------------------|------------------|
| Date/Time Set   | 1015       | PRESENT       |             | PRESENT                     |                  |
| Date/Time Read Out: 3/12/02  Analyst: FG              | 1220       | ABSENT        | X           | ABSENT                      | X                |
| ONLY THE STATEMENT 'TOTAL CO<br>REQUIREMENTS OF THE S | LIFORM ABS | SENT' MEANS T | HAT THE WAT | ER MEETS THE<br>POTABLE WAT | BACTERIAL<br>ER. |

Please fill in your name and mailing address on the back side of this form to insure that you receive your results promptly.